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1 Assessing the state of software in a large enterprise

Randy L. Hackborth, Audis Moekus, John Douglas Pallaman, David M. Weiss

June 2010

Empirical Software Engineering, Volume 15 Issue 3

Publisher: Kluwer Academic Publishers

Bibliometrics Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

To be relevant to the goals of an enterprise, an industrial software engineering research organization must identify problems of interest to, and find solutions that have an impact on, the software development organizations with the company. Using

Keywords: Agile Development, Code growth, Distributed and offshore development, Iterative development, R&D assessment, R&D domain expertise, R&D productivity, Software assessments, Software development, Software engineering, Software metrics, Software practices, Software process improvement, Software quality

2 An empirical investigation of the key determinants of data warehouse adoption

K. (Ram) Ramamurthy, Arun San, Arun P. Sinha

March 2008

Decision Support Systems, Volume 44 Issue 4

Publisher: Elsevier Science Publishers B. V.

Bibliometrics Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

Data warehousing (DW) has emerged as one of the most powerful decision support technologies during the last decade. However, despite the fact that it has been around for some time, DW has experienced limited spread/usage and relatively high failure rates. ...

Keywords: Absorptive capacity, Adoption, Data warehousing, Decision-support technology, Innovation factors, Organizational factors

3 Communications of the ACM: Volume 51 Issue 9

September 2008

Communications of the ACM

Publisher: ACM

Full text available: Digital Edition, Pdf (8.68 MB)

Bibliometrics Downloads (6 Weeks): 217, Downloads (12 Months): 217, Downloads (Overall): 4068, Citation Count:

4 Text mining techniques for patent analysis

Yuan-Hsin Tseng, Chih-Hsin Lin, Yu-Lin

September 2007

Information Processing and Management: an International Journal, Volume 43 Issue 5

Publisher: Pergamon Press, Inc.

Bibliometrics Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

Patent documents contain important research results. However, they are lengthy and rich in technical terminology such that it takes a lot of human efforts for analyses. Automatic tools for assisting patent engineers or decision makers in patent analysis

Keywords: Clustering, Co-word analysis, Phrase extraction, Summarization, Topic mapping

5 Communications of the ACM: Volume 53 Issue 1

January 2010

Communications of the ACM

Publisher: ACM

Full text available: Digital Edition, Pdf (8.09 MB)

Bibliometrics Downloads (6 Weeks): 219, Downloads (12 Months): 219, Downloads (Overall): 219, Citation Count:

6 Adaptive query processing

Amir Shoshitaishvili, Zachary L. Taylor, Vijayalakshmi Raman

January 2007

Foundations and Trends in Databases, Volume 1 Issue 1

Publisher: Now Publishers Inc.

Bibliometrics Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count:

As the data management field has diversified to consider settings in which queries are increasingly complex, statistics are less available, or data is stored remotely, there has been an acknowledgment that the traditional optimize-then-execute paradigm

- 7 [A RFID-case-based sample management system for fashion product development](#)
K. L. Chau, Ka Ho Chow, Ka Leung Moon, Xin Zeng, Henry C. W. Lau, Felix T. S. Chan, Q. T. S. Ho
September 2009 **Engineering Applications of Artificial Intelligence** - Volume 22 Issue 6

Publisher: Pergamon Press, Inc.

Bibliometrics Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count:

This paper presents a RFID-case-based sample management system (R-SMS) to manage an iterative process for evaluating fabric swatches in the development of new fashion products. R-SMS supports fashion designers and clothing merchandisers in working out

Keywords Case-based reasoning, Fabric selection, Fashion product development, NPD, RFID, Supply chain


- 8 [Data mining research for customer relationship management systems: a framework and analysis](#)
Santana Sharma, R. P. Goyal, B. K. Mishra
June 2008 **International Journal of Business Information Systems** - Volume 3 Issue 5



Publisher: Inderscience Publishers

Bibliometrics Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count:

Data mining is a new technology that helps businesses to predict future trends and behaviours, allowing them to make proactive, knowledge-driven decisions. When data mining tools and techniques are applied on the data warehouse based on customer

- 9 [Using web metrics to analyze digital libraries](#)


 Michael Khoo, Joe Papano, Anne L. Washington, Mimi Becker, Bart Palmer, Robert A. Donahue
June 2008 **JCDL '08: Proceedings of the 8th ACM/IEEE-CS joint conference on Digital libraries**

Publisher: ACM  [Download Full Text](#)
Full text available  (725.20 KB)


Bibliometrics Downloads (6 Weeks) 23, Downloads (12 Months) 233, Downloads (Overall) 702, Citation Count:

This paper discusses the use of web metrics tools at four digital libraries, the Instructional Architect, the Library Congress, the National Science Digital Library, and WGBH Teachers' Domain. We describe some of the issues involved in using web metrics

Keywords evaluation, usability, usage, web analytics, web metrics

- 10 [Development and implementation of an institutional repository within a science, engineering and technology \(SET\) environment](#)
 A. van der Merwe, J. H. Kroeze

October 2008 **SAICSIT '08: Proceedings of the 2008 annual research conference of the South African Institute of Computer Scientists and Information Technologists on IT research in developing countries: riding the wave of technology**

Publisher: ACM
Full text available  (384.70 KB)

Bibliometrics Downloads (6 Weeks) 3, Downloads (12 Months) 116, Downloads (Overall) 215, Citation Count:

Parallel to the Open Source Software movement, there is an increased demand and need for free, open access information resources. The Open Access initiative is characterized by two strategies: namely the promotion of archiving or, alternatively,

Keywords full text access, Institutional repositories, open access, research documentation, research publication

- 11 [Data warehouse design to support customer relationship management analyses](#)
Gollamuri Gurusamy, G. Venkatesh, P. S. Chandra

November 2004 **DOLAP '04: Proceedings of the 7th ACM international workshop on Data warehousing & OLAP**

Publisher: ACM  [Download Full Text](#)
Full text available  (273.78 KB)

Bibliometrics Downloads (6 Weeks) 28, Downloads (12 Months) 275, Downloads (Overall) 4309, Citation Count:

CRM is a strategy that integrates the concepts of Knowledge Management, Data Mining, and Data Warehousing order to support the organization's decision-making process to retain long-term and profitable relationships with its customers. In this paper, ...

Keywords: customer relationship management, data warehouse

12 [A Fault-model-based Debugging Aid for Data Warehouse Applications](#)

Peter Struss, Vikas Shivashankar, Mohamed Zahoor

August 2010

Proceeding of the 2010 conference on ECAI 2010 19th European Conference on Artificial Intelligence

Publisher: IOS Press

Bibliometrics: Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count

The paper describes a model-based approach to developing a general tool for localizing faults in applications of data warehouse technology. A model of the application is configured from a library of generic models of standard (types of) modules and exploited ...

13 [Evaluating a model for cost-effective data quality management in a real-world CRM setting](#)

Adir Even, G. Shankaranarayanan, Paul D. Berger

December 2010

Decision Support Systems, Volume 50 Issue 1

Publisher: Elsevier Science Publishers B. V.

Bibliometrics: Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count

Managing data resources at high quality is usually viewed as axiomatic. However, we suggest that, since the process of improving data quality should attempt to maximize economic benefits as well, high data quality is not necessarily economically-optimal.

Keywords: CRM, Cost-benefit analysis, Data quality, Data warehouse, Utility

14 [ZELESA: an enabler for real-time sensing, analysing and acting on continuous event streams](#)

Thao Manh Nguyen, Josef Schuster, A. Min Tjoa

March 2007

International Journal of Business Intelligence and Data Mining, Volume 2 Issue 1

Publisher: Inderscience Publishers

Bibliometrics: Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count

Our research project aims to build an infrastructure that can efficiently and seamlessly meet the demanding requirements of business event stream-based analytical applications. We focus on the complex event analysis of event streams, QoS-aware ...

Keywords: BI, SOA, ZELESA, business intelligence, closed loop decision-making, continuous stream analysis, data mining, data warehousing, event streams, event-based business intelligence, mobile phone fraud detection response loops, sense loops, service oriented architecture, zero-latency data warehouse, zero-latency event responding, zero-latency event sensing

15 [Using Developer Activity Data to Enhance Awareness during Collaborative Software Development](#)

Inah Omran, John Ferguson, Marc Roper, Murray Wood

December 2009

Computer Supported Cooperative Work, Volume 18 Issue 5-6

Publisher: Kluwer Academic Publishers

Bibliometrics: Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count

Software development is a global activity unconstrained by the bounds of time and space. A major effect of this increasing scale and distribution is that the shared understanding that developers previously acquired by formal and informal face-to-face ...

Keywords: collaboration, context awareness, distributed teamwork, empirical studies, global software development, relevance filtering

16 [Diminishing downsides of Data Mining](#)

John Wang, Xiaohua Hu, Dan Zeng

June 2007

International Journal of Business Intelligence and Data Mining, Volume 2 Issue 2

Publisher: Inderscience Publishers

Bibliometrics: Downloads (6 Weeks) n/a, Downloads (12 Months) n/a, Downloads (Overall) n/a, Citation Count


Data Mining (DM) helps deliver tremendous insights for businesses into the problems they face and aids in identifying new opportunities. It further helps businesses to solve more complex problems and make smarter decisions. DM is a potentially ...

Keywords: barriers, benefits, data mining, disaster planning, explanatory factors, monitoring, organisational issues, statistical issues, usability

17 [Partial constraint checking for context consistency in pervasive computing](#)

Chang Xu, S. G. Cheung, W. K. Chan, Chunyang Ye

January 2010

Transactions on Software Engineering and Methodology (TOSEM), Volume 19 Issue 3**Publisher:** ACM Full text available  (1.94 MB)**Bibliometrics** Downloads (6 Weeks): 45, Downloads (12 Months): 389, Downloads (Overall): 389, Citation Count:


Pervasive computing environments typically change frequently in terms of available resources and their proper Applications in pervasive computing use contexts to capture these changes and adapt their behaviors according However, contexts available ...

Keywords: Constraints, performance, pervasive computing, validation

18 [Information delivery systems: an exploration of Web pull and push technologies](#)

Jana E. Kanda, Kenneth E. Kanda

April 1999

Communications of the AIS, Volume 1 Issue 4es**Publisher:** Association for Information SystemsFull text available  (658.33 KB)**Bibliometrics** Downloads (6 Weeks): 10, Downloads (12 Months): 84, Downloads (Overall): 1228, Citation Count:19 [Proximity and Information Technology Outsourcing: How Local Are IT Services Markets?](#)

Ashish Arora, Chris Forman

October 2007

Journal of Management Information Systems, Volume 24 Issue 2**Publisher:** M. E. Sharpe, Inc.**Bibliometrics** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

We examine the question of which services are tradable within a concrete setting: the outsourcing of information technology (IT) services across a broad cross-section of establishments in the United States. If markets for IT services are local, then ...

Keywords: It Outsourcing, Outsourcing, Service Tradability, Services, Services Outsourcing

20 [Operational risk management with real-time business intelligence](#)

B. Azarmi, Z. Gu, B. Malsae, M. Spott

January 2007

BT Technology Journal, Volume 25 Issue 1**Publisher:** Kluwer Academic Publishers**Bibliometrics** Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Downloads (Overall): n/a, Citation Count:

Operational risk is a function of the complexity of the business and the environment that the business operates Such complexities increase as the business or the environment become more dynamic, i.e. where change is a permanent feature and a factor ...

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